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X RAYS

Absorption of X Rays in Metals (T)—É. N. Rumanov. 20, 1480 (1965) [47, 2207 (1964)]

Errata

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Formulas (8), (9), (10), (16), and (17) should read

$$P_\omega(t_0) = \frac{1}{\tau}\int_{t_0}^{t_0+\tau} P(t', t_0)\, e^{i\omega t'} dt'. \tag{8}$$

$$Z_\omega E_\omega = a_\omega E_\omega + 4\pi\omega^2\beta_\omega \int_0^\infty \rho_{21}^{(0)} e^{i(\omega-\omega_{21})t_0} dt_0, \tag{9}$$

$$a_\omega = 8\pi\omega^2 \frac{i}{\hbar}\frac{|\mu_{12}|^2 N}{\tau}[\rho_{22}^{(0)} - \rho_{11}^{(0)}]\frac{e^{i(\omega-\omega_{21})\tau} - i(\omega-\omega_{21})\tau - 1}{(\omega-\omega_{21})^2},$$

$$\beta_\omega = 2\mu_{12}\frac{N}{\tau}[e^{i(\omega-\omega_{21})\tau} - 1]/i(\omega-\omega_{21}). \tag{10}$$

$$\rho_{12} = \widetilde{\rho}_{12}{}^0 e^{i(\omega_1-\omega_{21})(t_1+\tau_1)} e^{i\omega_{21}t}, \tag{16}$$

$$R_\omega = \langle \widetilde{\rho}_{21}{}^0 e^{i(\omega_1-\omega_{21})\tau}\beta_\omega\rangle, \tag{17}$$

These errors do not affect the main conclusions of the article. The authors thank G. L. Suchkin for pointing out these misprints.

Vol. 19 no. 3 p. 581 (K. Huang and F. E. Low)

In Eq. (21) and the second equation in footnote 2, the comma between x and Φ_θ should be omitted. Thus Eq. (21) should read

$$K(x, \theta, g) = F_\theta(A), \text{ where } A \equiv x\Phi_\theta(g).$$

The second equation in footnote 2 should read

$$K(x, \theta, g, f) = \alpha_\theta(g, f)\, F_\theta(A, B),$$

where

$$A \equiv x\Phi_\theta(g, f), \quad B \equiv \beta_\theta(g, f).$$

Vol. 19, no. 6, p. 1313 (A. M. Prokhorov and V. V. Fedorov)

Right hand column, second formula from top, replace v_z^* in denominator by v_z^{*4}.

Vol. 20, no. 1, p. 122 (Poluektov, Presnyakov, and Sobel'man)

An error was made in the approximate calculation of the integral (AI.1) in Appendix I. The points z_n in the vicinity of which the derivative of the argument of the exponential vanishes must be sought prior to approximating the radical in the integrand of (AI.1). As a result, γ in (AI.2) is replaced by 2γ, the parameter $\pi\omega/\gamma v$, in (18), (AI.3), (AI.4), (AI.5), and (AI.6) is replaced by $\pi\omega/2\gamma v$, and ω in (20) and (AII.7) is replaced by $\omega/2$. Elimination of this error improves the agreement between the experimental and theoretical curves in the region of the maximum. The authors thank E. E. Nikitin for noting this error.